

Abstract of the Disclosure

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This application relates to cast enclosures for battery replacement applications, such as enclosures configured to house power units comprising a fuel cell and an energy storage device. The enclosures function as protective enclosures and counterweights, provide mounting points and conduits for gases, fluids, plumbing and wiring, and serve as thermal energy storage/transfer devices. The enclosures are formed in a mold or die and comprise wall portions defining a plurality of internal subcompartments for receiving the various system components. In one embodiment of the invention channels may be formed in the wall portions of the enclosures for circulating a heat transfer fluid therethrough.

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